PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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(day/month/year)	
eb.2004 (23.02.2004)	
inary Examining Authority	
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Applicant's or agent's file reference		
P2005363M FOR FURTH	ER ACTION	See Form PCT/In Law-10
	ing date (day/month/year)	Priority date (day/month/year)
	Feb.2005 (04.02.2005)	23.Feb.2004 (23.02.2004)
International Patent Classification (IPC) or national classification	ation and IPC	
Int. Cl. ⁷ B30B1/32, B21C23/21, B21D22/00		
Applicant		
JILIN UNIVERSITY et al		
This report is the international preliminary examination under Article 35 and transmitted to the applicant according to the according to the according to the according to the acc	report, established by this Int	ternational Preliminary Examining Authority
2. This REPORT consists of a total of 3	sheets, including t	his cover sheet.
3. This report is also accompanied by ANNEXES, compris	sing:	
Instructions).	awings which have been ame by this Authority (see Rule 7	sheets, as follows: Inded and are the basis of this report and/or 10.16 and Section 607 of the Administrative
sheets which supersede earlier sheets, but the disclosure in the international applica Box.	which this Authority conside tion as filed, as indicated in	rs contain an amendment that goes beyond item 4 of Box No. I and the Supplemental
b. (sent to the International Bureau only) a containing a sequence listing and/or tables related Relating to Sequence Listing (see Section 802 of	ted thereto, in electronic form of the Administrative Instruction	only on indicated in the Co. 1 17
4. This report contains indications relating to the following	; items:	
Box No. I Basis of the report		
Box No. II Priority		•
Box No. III Non-establishment of opinion with	n regard to novelty, inventive s	step and industrial applicability
Box No. IV Lack of unity of invention		
Box No. V Reasoned statement under Article 3	5(2) with regard to novelty, in	ventive step or industrial applicability;
citations and explanations supportin	ng such statement	
Box No. VI Certain documents cited		
Box No. VII Certain defects in the international	= =	
Box No. VIII Certain observations on the interna	ational application	
Date of submission of the demand	Date of completion of th	nis report
18.Jul.2005 (18.07.2005)	!	Dec.2005 (12.12.2005)
ame and mailing address of the IPEA/CN	Authorized officer	\2.12,20037
The State Intellectual Property Office, the P.R.China.	j	WANG, Fangjie
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, Chi 100088	na	
acsimile No. 86-10-62019451	Telephone No. (86-10) 620853777
rm PCT/IPEA/409 (cover sheet) (April 2005)		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN2005/000158

Box No. I	Posit of A	
	Basis of the report	
	ard to the language, this report is based on:	
	e international application in the language in which it was filed	
∟ a	translation of the international application into,	which is the language of a
tran	islation furnished for the purposes of:	
	international search (Rules 12.3(a) and 23.1(b))	
	publication of the international application (Rule 12.4(a))	
	international preliminary examination (Rules 55.2(a) and/or 55.3(a))	
annexed i	ard to the elements of the international application, this report is based on (replacementarion of the internation of the ceiving Office in response to an invitation under Article 14 are referred to in this report to this report):	nt sheets which have been furnished rt as "originally filed" and are not
	international application as originally filed/furnished	
	description:	
	ges	as originally filed/furnished
	ges received by this Authority on	
pag	ges * received by this Authority on	
☐ the c	laims:	
pag	ges	
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pag	received by this Authority on	T
pag pag pag	es * received by this Authority on	as originally filed/furnished
☐ a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence I	Listing.
3. The ar	nendments have resulted in the cancellation of:	
	the description, pages	1
	the claims. Nos	
	the drawings shoots/fice	
	the sequence listing (specific):	
	any table(s) related to sequence listing (specify):	
	oort has been established as if (some of) the amendments annexed to this report and listhey have been considered to go beyond the disclosure as filed, as indicated in the Supthe description, pages the claims, Nos. the drawings, sheets/figs the sequence listing (specify):	plemental Box (Rule 70.2(c)).
* If itom 1 ~	any table(s) related to sequence listing (specify):	
ıj iiem 4 a	pplies, some or all of those sheets may be marked "superseded."	
n PCT/IDE A /A	00 (Dev. M. T) (A	l

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN2005/000158

citations and explanation Statement:	is supporting suc	th regard to novelty, inventive statement	ep or industrial applicability;
. Statement:			
Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	
,	Claims —		YES
•	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO
D1: CN,Y,2590648 see the whole D2: CN,U,87209840 see the whole D3: US,B1,6520075 see the whole D4: US,A,5823104 see the whole D5: US,A,4571979 see the whole D6: US,A,4457684 see the whole 2. The subject matter of Claim 1 meethe technical features of claim 1. 3. The subject matter of Claim 1 meethe technical features of claim 1 is not in the art does not get any teaching dependent claims 2-10. also meethed.	e document e document document document document s PCT Article 33(Similarly, the depo	ndent claims 2 -10 also meet the cr (i) (inventive step)	riteria of PCT Article 33(2).